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ZIEGLER CHEMICAL & MINERAL CORP.

LITTLE BONANZA OPERATIONS

STAR ROUTE, VERNAL, UTAH 84078

Telephone: (435) 789-3593 Fax: (435) 789-3595

October 24, 2003

Mr. James F. Kohler
Chief, Solid Minerals Branch
U.S. Department of the Interior
Bureau of Land Management
P.O. Box 45155
Salt Lake City, Utah 84145-0155

RE: Exploration Plan: Weaver Vein, U-0124568

Dear Mr. Kohler,

In order to develop a supply of Gilsonite of the appropriate quality and quantity requested by our customers Ziegler Chemical & Mineral Corporation (ZCMC) proposes to exercise its leaseholder's rights to explore for Gilsonite reserves on Lease No. U-0124568. This lease is located in Sections 9, 10, 11, 13, 14, and 15, in Township 10 South, Range 25 East.

Section 9: N $\frac{1}{2}$ NW $\frac{1}{4}$
Section 10: S $\frac{1}{2}$ SE $\frac{1}{4}$
Section 11: SW $\frac{1}{4}$ SW $\frac{1}{4}$
Section 13: Lots 3 & 4; W $\frac{1}{2}$ SW $\frac{1}{4}$
Section 14: S $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$ S $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
Section 15: NE $\frac{1}{4}$ NE $\frac{1}{4}$

This lease contains 786.99 acres in Uintah County, Utah. This lease falls within the Book Cliffs Resource Management Plan area. ZCMC feels that this Exploration Plan is consistent with land uses described within the Book Cliffs Resource Management Plan. ZCMC will commence operations immediately upon approval of this Exploration Plan. (Refer to attachment—Map #1)

Access. In order to access this lease for exploratory drilling a road will need to be constructed. The access road will conform to standards as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for oil and Gas Exploration and Development (1989). This road will be constructed and upgraded to meet the needs of anticipated traffic and all-weather road standards. (See attachment—Map #2)

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DIV. OF OIL, GAS & MINING

Time Domain EM Survey. In order to establish a better feel for the vein trend across this lease, initial exploration will begin with a Time Domain EM survey of the lease area. ZCMC will conduct the Time Domain survey at no less than 100 foot nor greater than 500 foot intervals. Beginning at vein outcroppings located within the boundaries of this lease the survey will run in a northwest by southeastern direction following indications of the vein. The Time Domain array will be positioned perpendicular to the vein outcroppings.

The equipment used for this survey is hand held, and the array pattern is done on foot. The impact to the environment during this stage of the exploration will be at a minimum. Time frame for completing this phase is expected to be approximately two weeks.

Initial Drill Pattern. In order to determine if this vein contains a commercially viable supply of Gilsonite, exploratory drilling of the vein must be done. After the vein trend has been identified ZCMC will then cross drill the vein. This will help to determine the width of the ore body. Where the terrain will allow, drilling will be done at a 45° downward angle perpendicular to and transecting the vein. This initial cross drilling will be done at 500 foot intervals. The equipment will be set back from the vein 200 to 400 feet in order to transect the vein at a similar depth. This phase of the investigation may include drilling as many as 12 holes.

The equipment will consist of a small truck or trailer mounted drill capable of boring a 3" to 4" hole. A portable air compressor, also trailer mounted, will be used in the drilling process. If it becomes necessary fresh water and bentonite clay will be used to help with the drilling process.

No hazardous materials would be used during the exploration of this lease other than gasoline, motor oil, battery acid, and antifreeze in vehicles; and grease for lubrication of equipment. All of these substances would be handled in compliance with existing regulations. Less than 10,000 pounds of any chemical(s) from the Environmental Protection Agency's (EPA's) *Consolidation List of Chemicals Subject to Reporting Under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1996* and less than the Threshold Planning Quantity (TPQ) of any extremely hazardous substance(s), as defined in 40 C.F.R. 355, would be used, produced, transported, stored, or disposed of annually in association with the Proposed Action.

Trenching. After the initial drilling has been completed, ZCMC will trench across the vein at 50 foot intervals down to bedrock with a backhoe where the drilling indicates the vein is the widest at depth. The trenching will provide exact positioning of the vein. This will be done for that portion of the vein that indicates, from the initial drilling, that it would sustain a continued mining program.

Investigative Drill Pattern. To complete the investigative survey of the Weaver vein, ZCMC will cross-drill the vein at approximately 45° angles in the areas of the lease that submit the most promising results from the initial drilling. During this phase we will drill angle holes 50 feet apart, beginning with a set back of 200 feet and as far as 400 feet from the vein exposure.

Sincerely,

A handwritten signature in black ink that reads "Stan Wagner". The signature is fluid and cursive, with the first name "Stan" and last name "Wagner" clearly legible.

Stan Wagner
Mine Superintendent

SJW

Enclosures: 1 map showing lease area, 1 map showing proposed access roadway

cc: Gordon Ziegler Jr., President, Ziegler Chemical & Mineral Corp.
Jim Paulson, Ziegler, Vice-President Chemical & Mineral Corp.
Gayle McKeachnie, Esq., McKeachnie, Allred, McClellan & Trotter, P.C.
D. Wayne Hedberg, DOGM, Permit Supervisor, State of Utah
Will Stokes, S.I.T.L.A., Minerals Resource Specialist, State of Utah
Stan Perks, B.L.M., Mining Engineer, Salt Lake City Office
Pete Sokolosky, B.L.M., Solid Minerals Geologist, Vernal Utah Office



